



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Shafer D.A.

FILED: January 16, 2001

SERIAL NO.: 09/744,097

FOR: Methods For Detecting and Mapping  
Genes, Mutations and Variant Polynucleotide  
Sequences

§ ART UNIT:  
§ 1637  
§  
§ EXAMINER:  
§ Fredman, J.N.  
§ CONFIRMATION NO.  
§ 2981  
§  
§ DOCKET:  
§ D6429

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING UNDER 37 CFR 1.8

Dear Sir:

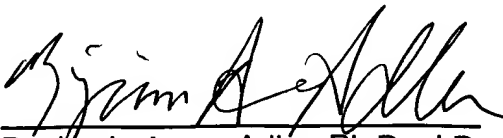
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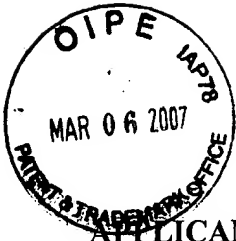
- 1) Response to Office Action (13 Pages)

Please return the enclosed postcard acknowledging receipt of this correspondence.

Respectfully submitted,

Date: March 2, 2007  
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Benjamin Aaron Adler, Ph.D., J.D.  
Registration No. 35,423  
Counsel for Applicant



AF  
ZFW

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**RESPONSE UNDER 37 C.F.R. § 1.116**

Dear Sir:

In response to the Final Office Action mailed December 12, 2006, please enter the following amendments and consider the following remarks. Reconsideration of the pending claims is respectfully requested.

Respectfully submitted,

Date: March 2, 2007  
ADLER & ASSOCIATES  
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